

CWSF 2010 - Peterborough, Ontario



Viane Faily

Fatty Acids and the Efficacy of Chemotherapy on Breast Cancer

Division: International

Category: Senior

Region: Edmonton

City: Edmonton, AB

School: Old Scona School

Abstract: The purpose of my project was to determine if the n-3 polyunsaturated fatty acids docosahexaenoic acid and eicosapentaenoic acid enhanced the effects of the chemotherapeutic drug doxorubicin on MDA-MB-231 breast cancer cells. I measured cellular growth by performing viable cell counts using a trypan blue stain and the WST-1 assay, which measures cellular metabolic activity.

Biography

My name is Viane and I'm a grade 12 student at Old Scona School in Edmonton. I've traveled a lot growing up. I was born in San Diego, CA, went to France as a baby and lived there for a few years, came to Halifax, NS, and finally ended up in the City of Champions. I am very passionate about school, in fact so passionate that it seems to be one of the few things I do other than science! I have a cat who I like to think is my little angel. When I do have free time (which isn't very often halfway through senior year), I like to watch hockey. I love participating in science fairs because nothing is better than going to an event where everyone can just talk science and teach all the interesting things they know!

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